



Image AF/1773 \$

PTO/SB/17 (10-03)  
Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL</b> <b>for FY 2004</b> <small>Effective 10/01/2003, Patent fees are subject to annual revision.</small>		<b>Complete if Known</b>	
		Application Number	09/806123-Conf. #7064
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	May 18, 2001
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) <b>330.00</b>		First Named Inventor	Ursula Ziegler
		Examiner Name	M. R. Jackson
		Art Unit	1773
		Attorney Docket No.	05587-00312-US

<b>METHOD OF PAYMENT</b> (check all that apply)		<b>FEE CALCULATION</b> (continued)																																																																																																																																																																																																					
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		<b>3. ADDITIONAL FEES</b>																																																																																																																																																																																																					
<input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 03-2775 Deposit Account Name: Connolly Bove Lodge & Hutz LLP The Director is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		<table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr><tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr><tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr><tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr><tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr><tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td>330.00</td></tr><tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr><tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr><tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr><tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr><tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr><tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr><tr><td colspan="6">Other fee (specify)</td></tr><tr><td colspan="6">*Reduced by Basic Filing Fee Paid</td></tr><tr><td colspan="2"><b>SUBTOTAL (1)</b> (\$)<b>0.00</b></td><td colspan="4"><b>SUBTOTAL (3)</b> (\$)<b>330.00</b></td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal	330.00	1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify)						*Reduced by Basic Filing Fee Paid						<b>SUBTOTAL (1)</b> (\$) <b>0.00</b>		<b>SUBTOTAL (3)</b> (\$) <b>330.00</b>			
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																		
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																				
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																																			
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																																			
1053	130	1053	130	Non-English specification																																																																																																																																																																																																			
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																																			
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																			
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																			
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																			
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																																			
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																																			
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																			
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																			
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																			
1402	330	2402	165	Filing a brief in support of an appeal	330.00																																																																																																																																																																																																		
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																			
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																			
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																			
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																																			
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																			
1502	480	2502	240	Design issue fee																																																																																																																																																																																																			
1503	640	2503	320	Plant issue fee																																																																																																																																																																																																			
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																			
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																																			
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																			
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																			
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																			
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																			
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																																			
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																			
Other fee (specify)																																																																																																																																																																																																							
*Reduced by Basic Filing Fee Paid																																																																																																																																																																																																							
<b>SUBTOTAL (1)</b> (\$) <b>0.00</b>		<b>SUBTOTAL (3)</b> (\$) <b>330.00</b>																																																																																																																																																																																																					
<b>1. BASIC FILING FEE</b> <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td></td></tr><tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr><tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr><tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr><tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee		1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	160	2005	80	Provisional filing fee		<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	18	2202	9	Claims in excess of 20		1201	86	2201	43	Independent claims in excess of 3		1203	290	2203	145	Multiple dependent claim, if not paid		1204	86	2204	43	** Reissue independent claims over original patent		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																					
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																		
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																				
1001	770	2001	385	Utility filing fee																																																																																																																																																																																																			
1002	340	2002	170	Design filing fee																																																																																																																																																																																																			
1003	530	2003	265	Plant filing fee																																																																																																																																																																																																			
1004	770	2004	385	Reissue filing fee																																																																																																																																																																																																			
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																																			
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																		
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																				
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																																			
1201	86	2201	43	Independent claims in excess of 3																																																																																																																																																																																																			
1203	290	2203	145	Multiple dependent claim, if not paid																																																																																																																																																																																																			
1204	86	2204	43	** Reissue independent claims over original patent																																																																																																																																																																																																			
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																			
<b>SUBTOTAL (2)</b> (\$) <b>0.00</b>																																																																																																																																																																																																							

<b>SUBMITTED BY</b>		<b>(Complete if applicable)</b>	
Name (Print/Type)	Richard M. Beck	Registration No. (Attorney/Agent)	22,580
Signature	<i>Richard M. Beck</i>	Telephone	(302) 658-9141
		Date	March 8, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 8, 2004      Signature: *A. L. Hamm* (Amy L. Hamm)



I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS  
FIRST-CLASS MAIL IN AN ENVELOPE ADDRESSED TO:  
MAIL STOP APPEAL BRIEF - PATENTS, COMMISSIONER FOR  
PATENTS, P.O. Box 1450, ALEXANDRIA, VA 22313-1450  
ON THIS 8<sup>TH</sup> DAY OF MARCH, 2004

BY A. L. Hamn

1998/G 026 (5587\*312)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

.....  
URSULA ZIEGLER ET AL :

SERIAL NO: 09/806,123 :

ART UNIT: 1773

FILED: MAY 18, 2001 :

EXAMINER: M. R. JACKSON

FOR: COMPOSITE ARTICLE MADE FROM :  
POLYACETAL AND FROM :  
STYRENE-OLEFIN ELASTOMERS :

.....  
Mail Stop Appeal Brief - Patents  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**APPEAL BRIEF**

**REAL PARTY IN INTEREST**

The real party in interest is Ticona GmbH by virtue of an assignment duly recorded  
in the Patent and Trademark Office on May 17, 2001, at Reel 011813 Frame 0105 (3  
pages).

**RELATED APPEALS AND INTERFERENCES**

Appellant is unaware of any other appeals or interferences which will directly affect  
or be directly affected by or have a bearing on the Board's decision in the pending appeal.

03/12/2004 AWONDAF1 00000025 032775 09806123

01 FC:1402 330.00 DA

**STATUS OF CLAIMS**

Claims 1-12 are pending in this application. Claims 1-12 stand rejected. No claims have been allowed, and the rejected claims constitute the claims on appeal.

**STATUS OF AMENDMENTS**

No response was filed to the Final Office Action dated October 24, 2003. The amendments submitted prior to the Final Office Action have been entered, and a copy of claims 1-12 is attached as an appendix to the Appeal Brief.

**SUMMARY OF THE INVENTION**

The invention relates to a composite article made from polyacetal and from styrene-olefin elastomers, and also to a process for producing the same. By modifying the styrene-olefin elastomer with non-olefinic thermoplastic material, an adhesive bond is obtained between polyacetal and styrene-olefin elastomers. (Specification page 1, lines 6-10).

Surprisingly, it has been found that styrene-olefin elastomers which have been modified by adding non-olefinic thermoplastic material enter into an adhesive bonding with polyacetal. In contrast, styrene-olefin elastomers modified with olefinic thermoplastic material show no lasting adhesion to polyacetal. (Specification page 3, line 37 through page 4, line 3).

The invention provides a composite article made from polyacetal and from at least one modified styrene-olefin elastomer, which comprises from 15 to 70% by weight, based on the weight of the modified styrene-olefin elastomer, of non-olefinic thermoplastic material, and also a process for producing the same, where a molding made from

polyacetal is initially formed and onto which is then molded a coating or at least one molding made from the modified styrene-olefin elastomer. An adhesive bond is formed between the polyacetal and the modified styrene-olefin elastomer. (Specification page 4, lines 5-11).

The modified styrene-olefin elastomers used according to the invention are compositions based on thermoplastic styrene-olefin elastomers (TPE-S). These compositions generally comprise from 20 to 85% by weight, preferably from 35 to 70% by weight, of maleic anhydride-functionalized and/or non-functionalized high-molecular-weight tri-block copolymers which have been built up from rigid end-blocks of styrene and from flexible middle blocks of olefin, and from 15 to 70% by weight, preferably from 20 to 50% by weight, of non-olefinic thermoplastic material. Based on the styrene-olefin block copolymer content, the composition comprises, in addition, at least 5 parts by weight respectively and not more than 200 parts by weight respectively by lubricating plasticizer and/or inorganic filler per 100 parts by weight of styrene-olefin block copolymer. (Specification page 6, lines 10-20).

The TPE-S compositions according to the invention have a Shore A hardness in the range from 30 to 90, preferably from 40 to 80. (Specification page 6, lines 35-36).

**THE ISSUES**

The issues in this appeal include the following:

1. Whether or not claims 1-9 are properly rejected under 35 USC §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which appellant regards as the invention through the recitation in claim 1, line 7, of the limitation “high-molecular weight styrene-olefin block copolymer”;
2. Whether or not claims 1-9 are patentable under 35 USC §103(a) over EP O 837 097; and
3. Whether or not claims 10-12 are patentable under 35 USC §103(a) over DE 44 34 656.

**GROUPING OF CLAIMS**

For purposes of this appeal each of the rejected claims should be separately considered, and arguments in support of patentability are submitted below.

**ARGUMENT**

In support of patentability, appellant submits the following with respect to the rejection of claims 1-9 under 35 USC §112. Appellant respectfully disagrees with the objection to the term “high molecular weight” particularly because the specification identifies EP-A-710703 and EP-A-699519 at page 8, lines 22-23, and each of these disclosures has been incorporated by reference. On page 3, lines 49-50 of EP-A-699519, for example, the apparent molecular weight of the total block polymer is defined as being in the range of from 20, 000 to 350,000. Accordingly, it is submitted that the specification

does in fact provide a reasonable standard for ascertaining the meaning of the recited term. Moreover, the term is a common one well known to persons of ordinary skill in the art.

Appellant respectfully submits that claims 1-12 define an invention which is neither disclosed nor suggested by the prior art taken alone or in combination with one another. Specifically, claims 1-9 are not rendered obvious by EP-A-837097 ("EP '097") and claims 10-12 are not rendered obvious by DE-C-4434656 ("DE '656"), for the reasons discussed below.

EP '097 describes specific block copolymers and their use for improving the compatibility of polymer blends and the adhesion of non-polar thermoplastic elastomers (TPE e.g. SEBS) onto polar engineering resins, where a number of materials are mentioned including polyacetals. The block copolymer used as a compatibilizer contains (a) a chemically modified polyolefin, (b) a thermoplastic polyurethane, copolyester or copolyamide, and (c) a coupling agent.

A few examples illustrate the improved adhesion of a thermoplastic elastomer (PP/EP DM DVA) blended with the block copolymer compatibilizer (page 12, table V) onto an engineering resin, e.g. ABS. where sheets of both materials have been pressed together in a hot press (page 9, lines 27-29). Specific examples with polyacetals are not mentioned.

According to the teaching of EP '097 it is necessary to apply the additional block copolymer to achieve the improved compatibility or adhesion. In contrast thereto according

to the present invention such complicated block copolymers are not necessary but merely a compound comprising SEBS and a non-olefinic thermoplastic elastomer. In particular the SEBS-compounds used in the present invention do not comprise a modified polyolefin.

In summary EP '097 differs from the claimed invention herein because a composite article made from polyacetals and from a specific SEBS compound is neither described nor suggested.

DE '656 describes moldings produced by multicomponent injection molding from thermoplastics and a sound-deadening sheath made from thermoplastic elastomers. A wide variety of materials is given both for the thermoplastic elastomers and for the thermoplastics which can be used, and these include styrene-olefin elastomers and POM.

However, in contrast to the invention defined in the present claims, the bond in the DE '656 moldings is produced mechanically by interlocks (see 24 in Figure 1; column 3, lines 61-68). Nowhere is mentioned that the bond between the hard and the soft component is due to the composition of the elastomer A.

The DE '656 publication fails to provide any specific information for using these particular materials together. Also these are not stated advantages of a combination of this type.

In summary, in view of EP '097 and DE '656 no teaching or suggestion can be found which makes the present invention obvious to someone skilled in the art.

SERIAL NO. 09/806,123

5587\*312

CONCLUSION

In view of the above argument, it is submitted that claims 1-12 are indeed patentable over the prior art, and it is respectfully requested that the rejection of these claims be reversed.

Respectfully submitted,

CONNOLLY BOVE LODGE & HUTZ LLP

By Richard M. Beck

Richard M. Beck

Reg. No. 22,580

Telephone: 302 658-9141

RMB/alh/309979

Attachment: Appendix



**APPENDIX**

**CLAIMS ON APPEAL**

**Application Serial No. 09/806,123**

**Filed: May 18, 2001**

Claim 1: A composite article made from polyacetal and from at least one modified styrene-olefin elastomer, formed by a polyacetal molding which has to some extent or completely been coated with the modified styrene-olefin elastomer, or to which one or more moldings made from the modified styrene-olefin elastomer have been directly molded-on, where the modified styrene-olefin elastomer is a composition which comprises from 20 to 85% by weight of functionalized and/or non-functionalized high-molecular-weight styrene-olefin block copolymer, built up from rigid end-blocks of styrene and from flexible middle blocks of olefin, and from 15 to 70% by weight of non-olefinic thermoplastic material, and also at least 5 parts by weight respectively and not more than 200 parts by weight respectively of lubricating plasticizer and/or inorganic filler per 100 parts by weight of styrene-olefin block copolymer, and wherein the modified styrene-olefin has a Shore A hardness of from 30 to 90.

Claim 2: A composite article as claimed in claim 1, wherein the polyacetal and the modified styrene-olefin elastomer have been adhesively bonded to one another.

Claim 3: A composite article as claimed in claim 1, wherein the strength of the bond between the polyacetal and the modified styrene-olefin elastomer is at least 0.5 N/mm<sup>2</sup>.

Claim 4: A composite article as claimed in claim 1, wherein the polyacetal used comprises a polyoxymethylene copolymer.

Claim 5: A composite article as claimed in claim 1, wherein the non-olefinic thermoplastic material has been selected from the class consisting of thermoplastic polyesterurethane elastomers, thermoplastic polyetherurethane elastomers, thermoplastic polyesters, thermoplastic polyesterester elastomers, thermoplastic polyetherester elastomers, thermoplastic polyetheramide elastomers, thermoplastic polyamides, thermoplastic polycarbonates, thermoplastic polyacrylates, acrylate rubbers and styrene-acrylonitrile-acrylate rubbers (ASA).

Claim 6: A composite article as claimed in claim 1, in the form of a molding made from polyacetal, which has been entirely or to some extent coated with the modified styrene-olefin elastomer.

Claim 7: A composite article as claimed in claim 1, in the form of a molding made from polyacetal, to which at least one other molding made from the modified styrene-olefin elastomer has been molded-on.

Claim 8: A composite article as claimed in claim 1, which has been produced by multicomponent injection molding.

Claim 9: A composite article as claimed in claim 8, wherein the molding is firstly molded from polyacetal and then a coating or a molding made from the modified styrene-olefin elastomer is injected onto the polyacetal molding.

Claim 10: A process for producing a composite article made from polyacetal and from at least one modified styrene-olefin elastomer, where the modified styrene-olefin

elastomer comprises from 15 to 70% by weight of non-olefinic thermoplastic material, and where a molding is firstly molded from polyacetal, onto which is then molded a coating or at least one molding made from the modified styrene-olefin elastomer, giving an adhesive bond between the polyacetal and the modified styrene-olefin elastomer.

Claim 11: The process as claimed in claim 10, which is a multicomponent injection-molding process carried out in a mold, where the molding made from polyacetal has been preheated to a temperature in the range from 80°C to just below its melting point prior to molding-on of the modified styrene-olefin elastomer, the melt temperature of the modified styrene-olefin elastomer is from 200 to 270°C during molding onto the molding made from polyacetal, and the temperature control of the mold has been set to a temperature in the range from 20 to 140°C.

Claim 12: The process as claimed in claim 11, wherein the molding made from polyacetal has been preheated to a temperature in the range from 100 to 160°C, the melt temperature of the modified styrene-olefin elastomer is from 220 to 260°C, and the temperature control of the mold has been set to a temperature in the range from 30 to 80°C.